

FAG

3310-BD-XL-2HRS-TVH-C3

Angular contact ball bearing

Schaeffler ID:
0631713500030Angular contact ball bearing 33..-BD-
XL-2HRS-TVH, double row, X-life, seals,
plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	44.4 mm	Width
C_r	93,000 N	Basic dynamic load rating, radial
C_{0r}	70,000 N	Basic static load rating, radial
C_{ur}	4,850 N	Fatigue load limit, radial
n_G	4,900 1/min	Limiting speed
	1.78 kg	Weight

Mounting dimensions

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_2	96.8 mm	Caliber diameter outer ring
d_2	69.1 mm	Caliber diameter inner ring
a	64.2 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.